

Amendments to the Specification

Please delete the paragraph on page 11, beginning at line 19, and insert the following replacement paragraph:

As illustrated in Figure 1, some of the spars 116a have a wave-shaped lateral 4 dimension, while others spars 116b are generally straight. While a wing 100 may use only wave-shaped spars 116a or ~~straits~~ straight spars 116b, a combination of differing shaped spars 116 may allow for maximum strength and minimum weight. Generally, a wave-shaped spar 116a will have a higher strength than a straight spar 116b of the same thickness and height. The wave-shaped spars 116a will also be heavier than the straight spars 116b, due to the added material.

Please delete the paragraph on page 16, beginning at line 4, and insert the following replacement paragraph:

The composite material may be provided in generally large wound or woven sheets of composite material made of multiple bands of composite fibers. The sheets of composite material may have similar characteristics to fabric, where the composite material is drapable. The sheets of composite material may also be cut into various shapes in order to form the wing section. One such composite material is known in the field as ~~FybeX~~ Fibex®.

Please delete the paragraph on page 16, beginning at line 10, and insert the following replacement paragraph:

The composite material may also include a ~~conduct-of~~ conductive layer to insulate the wing 100 and wing structures against lightning strikes. The ~~conduct-of~~ conductive layers may be comprised of a copper, aluminum, or other ~~conductive~~ conductive metal that is wound into the outer layer of the composite material when the composite material is being manufactured. The layer may be comprised of various strands of the conductive material. During assembly, the conductive material is oriented such that it is positioned on the exterior of the wing 100. Thus, the wing 100 may be protected from lightning strikes.

Please delete the paragraph on page 25, beginning at line 11, and insert the following replacement paragraph:

In order to uniformly adhere the composite material to the clamshell frames 312, 316, the composite material may be vacuum pressed onto the surfaces 324 of the clamshell frames 312, 316. An air tight material, such as a plastic, may be placed over the surface 324 and sealed around the edges. A vacuum may then be applied to the air tight material and the air evacuated. Once the air is evacuated, the atmospheric ~~pressured~~pressure will apply a substantially uniform force on the composite material, adhering the composite material to the surface 324 of the clamshell frames 312, 316.